

What is claimed is:

Sub
112 207

no valve
heater

5 112
both?
have
diaphragm

1. A laminating apparatus for laminating materials (to be laminated) which comprising:
 - (a) at least one laminating section, each laminating section comprising an upper chamber and an under chamber wherein both chambers are divided with a diaphragm means;
 - (b) a heating stage for heating the materials put on the stage in the under chamber, which stage is movable between an upward position and a downward position;
 - (c) a supporting means which can support the materials in a position above and apart from the upper surface of the stage when the stage locates in its downward position.
2. A laminating apparatus as set forth in claim 1, wherein said supporting means is supporting rods provided in through holes of the stage to protrude from the upper surface of the stage when the stage locates in its downward position.
3. A laminating apparatus as set forth in claim 1, wherein at least two or more laminating sections are stacked in vertical direction.
4. A laminating apparatus as set forth in claim 1, wherein a solar cell panel is produced by laminating the materials.
5. A laminating apparatus as set forth in claim 1, wherein there is provided a carrying means for carrying the materials into or from the laminating section.
6. A laminating apparatus for laminating materials to be laminated which comprising:
 - (a) at least one laminating section, each laminating section comprising an upper chamber and an under chamber wherein both chambers are divided with a diaphragm means;
 - (b) a heating stage for heating the materials put on the stage in the under chamber,
 - (c) a moving means for moving the materials between an upward position where the materials are supported above and apart from the upper surface and a process position where the materials are put on the upper surface of the stage.
7. A laminating apparatus as set forth in claim 6, wherein at least two or more laminating sections are stacked in vertical direction.
8. A laminating apparatus as set forth in claim 6, wherein a solar cell panel is produced by laminating the materials.

112 4th
Sub
207

movable
matt.

sub
a 3 7 9. A laminating apparatus as set forth in claim 6, wherein there is provided a carrying means for carrying the materials into or from the laminating section.

add a 4